Page 1 of 1 U.S. DEPARTMENT OF COMMERCE Form PTO-1449 ATTY. DOCKET NO. SERIAL NO. (MODIFIED) PATENT AND TRADEMARK OFFICE 040897-0114 10/814,294 **APPLICANT** INFORMATION DISCLOSURE CITATION Paul Thurk GROUP ART UNIT FILING DATE se several sheets if necessary) 4/1/2004

U.S. P	ATENT	DOCU	MENTS
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EXAMINER REF		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
BW		US 3,842,306	10/15/1975	Henderson, et al.			
		US 4,047,069	9/6/1977	Akutsu, et al.			
		US 4,330,691	5/18/1982	Gordon			
		US 4,642,951	2/17/1987	Mortimer			
		US 4,890,033	12/26/1989	Ichinomiya			
		US 4,923,032	5/8/1990	Nuernberger			
		US 4,965,485	10/23/1990	Tarumi, et al.			
		US 5,073,805	12/17/1991	Nomura, et al.			
		US 5,142,343	8/25/1992	Hosokawa, et al.			
		US 5,293,050	3/8/1994	Chapple-Sokol, et al.			
		US 5,354,707	10/11/1994	Chapple-Sokol, et al.			
		US 5,422,489	6/6/1995	Bhargava			
		US 5,438,234	8/1/1995	Fujino			
		US 5,516,577	5/14/1996	Matsuura, et al.			
		US 5,536,949	7/16/1996	Hosokawa, et al.			
		US 5,537,000	7/16/1996	Alivisatos, et al.			
		US 5,552,665	9/3/1996	Trushell			
•		US 5,813,753	9/29/1998	Vriens, et al.			· · · · · · · · · · · · · · · · · · ·
		US 5,850,064	12/15/1998	Goldstein			
-		US 5,852,346	12/22/1998	Komoda, et al.			
		US 5,882,779	3/16/1999	Lawandy			
		US 5,959,316	9/28/1999	Lowery			
		US 5,962,863	10/5/1999	Russell, et al.			
		US 5,977,565	11/2/1999	Ishikawa, et al.			
	1	US 5,990,479	11/23/1999	Weiss, et al.			
		US 6,068,907	5/30/2000	Beauregard			
		US 6,069,440	5/30/2000	Shimizu, et al.			
4		US 6,117,514	9/12/2000	Herrmann			
1		US 6,157,047	12/5/2000	Fujita, et al.		,	
J		US 6,175,187 B1	1/16/2001	Tsutsui	J		<u> </u>

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11/3/05.

<u> </u>							
RW	US 6,207,229 B1	3/27/2001	Bawendi, et al.		1	1	
	US 6,215,881 B1	4/10/2001	Azima, et al.				
	US 2001/0000622 A1	5/3/2001 .	Reeh, et al.				
	US 6,245,259 B1	6/12/2001	Höhn, et al.		1		
	US 6,251,303 B1	6/26/2001	Bawendi, et al.				
	US 6,252,254 B1	6/26/2001	Soules, et al.				
	US 6,252,915 B1	6/26/2001	Mollenkopf, et al.				
	US 6,268,041 B1	7/31/2001	Goldstein				
	US 2001/0040232 A1	11/15/2001	Bawendi, et al.				
	US 6,322,901 B1	11/27/2001	Bawendi, et al.				
	US 6,336,837 B1	1/8/2002	Maeda				
	US 2002/0018632 A1	2/14/2002	Pelka				
	US 6,389,771 B1	5/21/2002	Moller				
	US 6,397,531 B1	6/4/2002	Martin				
	US 6,406,803 B1	6/18/2002	Abe, et al.				
	US 6,417,019 B1	7/9/2002	Mueller, et al.		1		
	US 6,423,551 B1	7/23/2002	Weiss, et al.				
	US 6,441,551 B1	8/27/2002	Abe, et al.				
	US 2002/0152704 A1	10/24/2002	Thompson, et al.				
	US 2002/0153830 A1	10/24/2002	Andriessen				
	US 2002/0167024 A1	11/14/2002	Jabbour, et al.				
	US 6,501,091 B1	12/31/2002	Bawendi, et al.				
	US 6,501,102 B2	12/31/2002	Mueller-Mach, et al.			1	
	US 2003/0003300 A1	1/2/2003	Korgel, et al.				
	US 2003/0003614 A1	1/2/2003	Andriessen				
	US 6,504,179 B1	1/7/2003	Ellens, et al.				
	US 6,508,573 B1	1/21/2003	Yamazaki				
	US 6,515,314 B1	2/4/2003	Duggal, et al.				
	US 6,521,915 B2	2/18/2003	Odaki, et al.				
	US 6,522,065 B1	2/18/2003	Srivastava, et al.				
	US 2003/0034486 A1	2/20/2003	Korgel				
	US 2003/0042850 A1	3/6/2003	Bertram, et al.				
	US 2003/0047816 A1	3/13/2003	Dutta				
	US 6,544,870 B2	4/8/2003	Park, et al.				
	US 2003/0066998 A1	4/10/2003	Lee				
	US 6,566,808 B1	5/20/2003	Duggal, et al.				
	US 6,585,947 B1	7/1/2003	Nayfeh, et al.			/	
$\square \Psi \top$	US 6,602,731 B2	8/5/2003	Andriessen	1		V	

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003.500924

		<del></del>		<del>r</del>					
BW		US 6,608,330 B1	8/19/2003	Yamada	1	•	1		
		US 2003/0173541 A1	9/18/2003	Peng, et al.					
		US 6,632,694 B2	10/14/2003	Torvik					
		US 6,649,138 B2	11/18/2003	Adams, et al.					
		US 2003/0222572 A1	12/4/2003	Su, et al.					
		US 6,660,410 B2	12/9/2003	Hosokawa					
		US 6,661,029 B1	12/9/2003	Duggal					
		US 2003/0227249 A1	12/11/2003	Mueller, et al.					
		US 6,669,158 B2	12/30/2003	Masas		T			
		US 2004/0007169 A1	1/15/2004	Ohtsu, et al.					
		US 6,692,512 B2	2/17/2004	Jang					
		US 6,692,986 B1	2/17/2004	Bayer, et al.					
		US 2004/0033345 A1	2/19/2004	Dubertret, et al.					
		US 6,698,543 B2	3/2/2004	Golterman					
		US 6,700,322 B1	3/2/2004	Duggal, et al.		1	1/		
		US 6,701,686				J	V		
,			FOREIGN	PATENT DOCUMENTS		•			
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANS	NO
BW		EP 1111966 A2	6/27/2001	EP					
		OTHER DOCUME	NTS (Includi	ng Author, Title, Date, Pert	inent P	ages.	: Etc.)		<del> </del>
BW		Bauer, et al., "Laser Sy	nthesis of Low	Agglomerated Submicromete pp. 2759-2768, 1991. Publis	er Silico	n Nitrid	e Powders fr		inated
		Heinrich, et al., "Lumine 1992. Published by Am	escent collodia nerican Associa	I silicon suspensions from por ation for the Advancement of	rous sili Science	con," S e, Wash	cience, Vol. nington, D.C.	2 <b>55</b> , pp. 6	56-68,
				ucture size on the luminescen 86-3392, 1997. Published by					nin films,"
				ell quantum dots: synthesis a s. Chem. B, Vol. 101 (46), pp.					
		Allongue. "Porous silico 0852969325, pp. 3-29,		echanisms," Properties of Pored by INSPEC.	rous Sili	con," L	eigh Canhar	n Ed., ISE	BN .
				nanoparticle formation in an ir 64, 1997. Published by Amer				reactor," .	l Vac.
		Jabbour, et al., "Highly Applied Physics Letters	efficient and bi	right organic electroluminesce op. 1762-1764, 1997. Publish	ent devi	ces with	n an aluminu n Institute of	m cathod Physics.	e,"
				ency of single porous silicon r Published by American Insti				sics Lette	rs,
		Holmes, et al., "Control							· · · · · · · · · · · · · · · · · · ·

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11/3/05.

BW	Belomoin et al., "Oxide and hydrogen capped ultrasmall blue luminescent Si nanoparticles," <i>Appl. Phys. Lett.</i> , Vol. 77 (6), pp. 779-781, 2000. Published by American Institute of Physics.
1	Holmes, et al., 'Highly luminescent silicon nanocrystals with discrete optical transitions," J. Am. Chem. Soc., Vol. 123, pp. 3743-3748, 2001. Published by American Chemical Society.
	Ledoux, et al., "Effect of passivation and aging on the photoluminescence of silicon nanocrystals," Applied Physics Letters, Vol. 79, No. 24, pp. 4028-4030, 2001. Published by American Institute of Physics.
	Kang, et al., "Enhancing the electroluminescent properties of organic light-emitting devices using a thin NaCl layer," <i>Applied Physics Letters</i> , Vol. 81, No. 14, pp. 2581-2583, 2002. Published by American Institute of Physics.
	Pell, et al., "Single particle and ensemble spectroscopy of silicon nanoparticles, <i>Mat. Res. Symp. Proc.</i> , Vol. 704, pp. 17-21, 2002. Published by Materials Research Society.
	Belomoin et al., "Observation of a magic discrete family of ultrabright Si nanoparticles," <i>Appl. Phys. Lett.</i> , Vol. 8 (5), pp. 841-843, 2002. Published by American Institute of Physics.
	English, et al., "Size tunable visible luminescence from individual organic monolayer stabilized silicon nanocrystal quantum dots," <i>Nano Letters</i> , 2, pp. 681-685, 2002. Published by American Chemical Society, Washington, D.C.
	Hanrath, et al., "Nucleation and growth of germanium nanowires seeded by organic monolayer-coated gold nanocrystals," <i>J. Am. Chem. Soc.</i> , Vol. 124, No. 7, pp. 1424-1429, 2002. Published by American Chemical Society.
	"Organic light emitting diodes (OLEDs) for general illumination Update 2002." An Optoelectronics Industry Development Association (OIDA) Technology Roadmap, Published by Optoelectronics Industry Development Association.
	Huisken, et al., "Light-emitting silicon nanocrystals from laser pyrolysis," Adv. Mater., Vol. 14(24), pp. 1861-1865, 2002. Published by VCH Publishers, Deerfield Beach, FL.
	Madou. "Pattern transfer with additive techniques" Fundamentals of Microfabrication, The Science of Miniaturization, 2 <sup>nd</sup> Ed., Chapter 3., 2002. Published by CRC Press, Boca Raton, FL.
	Buriak. "Other suitable passivating agents and their production," <i>Chemical Reviews</i> , Vol. <b>102</b> (5), pp. 1271-1308, 2002. Published by American Chemical Society.
X.	Zukauskas, et al., "Introduction to solid-state lighting," Vision, Photometry and Colonmetry, Ch. 2, pp. 7-19, 2002. Published by John Wiley & Sons, New York.
	Lu, et al., "Growth of single crystal silicon nanowires in supercritical solution from tethered gold particles on a silicon substrate, Nanoletters, 2003, Vol. 3, No. 1, pp. 93-99, 2003. Published by American Chemical Society
V	Durel 3 Lamp Technology, www.rogerscorporation.com, website article.
EXAMINER	DATE CONSIDERED  11/3/05